



Y-12 BULLETIN

A NEWSPAPER BY AND FOR EMPLOYEES OF CARBIDE AND CARBON CHEMICALS CORPORATION IN Y-12

Volume 3, No. 5

OAK RIDGE, TENNESSEE

Tuesday, February 8, 1949



ACTION PICTURES OF PROCEEDINGS AT OAK TERRACE
Dining Room January 29 when Leo Hemphill, Dept. A12W employee in Y-12, was named "Young Man of The Year" in Oak Ridge by the Oak Ridge Junior Chamber of Commerce are shown above. In the picture at left Hemphill, center at microphone, is shown being congratulated by John Owen, Jaycee local and state awards committee chairman. Applauding at the right is John Tygard, now

Y-12 Photos By Vince Moore
serving a second term as member of the national board of directors from the state of Tennessee, and Mrs. Tygard. More congratulations are being received in the picture at the right as Dr. C. E. Larson, Y-12 Superintendent, center, shakes hands with Hemphill. At Hemphill's right is Art Schlanger, president of the Oak Ridge Junior Chamber of Commerce and at his left is Mrs. Larson. At Dr. Larson's left is Clark Center, General Superintendent for Carbide and Carbon Chemicals Corporation in Oak Ridge, and Mrs. Center.

Portrait Study, Print Contest On Club Program

The first of a series of two talks and instruction on portrait photography by Robin Thompson, former Y-12 employee, will be heard by the Carbide Camera Club at its regular monthly meeting at 7:30 o'clock tonight, Tuesday, February 8, in club headquarters in the Y-12 East Portal. The Thompson talk and a print contest scheduled for the meeting is expected to bring out a record crowd, according to Harry Bainbridge, Y-12 employee in Dept. B12H and president of the club.

Joyce Wendolkowski To Pose
Thompson, now in the photographic business in Fountain City, tonight will give instruction to the Camera Club members on posing and lighting for portrait photography. Joyce Wendolkowski, Dept. A15N in Y-12, will act as a model for the club photographers who have been urged to bring their own cameras and equipment and try their hands at carrying out instructions to be given by Thompson.

At the March meeting of the club Thompson will return and give criticisms on results obtained by the club members in their picture-making efforts tonight. At that time Thompson also will exhibit some of his own portrait work and explain various phases of techniques used.

Picture Subject Is Glass
The black and white print contest scheduled for tonight will bring out a large number of photographs on the subject of glass. Don Mattern, former president of the Knoxville Camera Club, will judge the prints.

Bainbridge, Nat Stetson, Dept. H12E, vice president of the club; and Frank Neill, secretary-treasurer of the organization, have reported a gratifying increase in membership during the past few weeks. A postal card questionnaire sent to club members and prospective members has aided the club officials in formulating programs for the year.

Membership in the club is open to all Carbide and Carbide Chemical Corporation employees in Oak Ridge and full information on club activities may be obtained from Bainbridge, telephone 7098. Stetson at 7295 or Neill at 7-8444. Dues are \$1 for six months and membership cards for the first half of the year now are being issued by Neill.

One Gate Will Serve New Y-12 No. 3 Area

Gate-head to come
Assembling of a number of buildings in the laboratory and engineering areas in Y-12, including the Beta buildings, into a new No. 3 plant area will become effective with the "C" shift, 11 p. m. to 7 a. m., on Saturday, February 12. New Gate Being Erected

Entrance into the new area will be through one central vehicular and pedestrian gate now being erected just north of Bldg. 9731. Completion is expected before the time set for service to the new Area No. 3. The vehicular gate will be of the same type as the one now in operation at the North Portal.

Plans are now being made for additional badge identification necessary for admittance to the new No. 3 Area. As soon as details are worked out, specific information will be posted on all bulletin boards.

Two Old Gates Closed

Opening of the new gate into the new No. 3 Area will result in closing of two present entrances into the old areas. These gates are located northeast of Bldg. 9204-3, across the street from the Fire Department headquarters and north of Bldg. 9733-2 at the end of Bldg. 9766.

The new entrance for vehicles and pedestrians into the new No. 3 Area will be open 24 hours daily.

Carbide Sponsored Birthday Program Of Station WATO

As a public service to the community of Oak Ridge, Carbide and Carbon Chemicals Corporation sponsored the first anniversary program presented over the air last Tuesday night by Radio Station WATO.

The program was prepared by the WATO staff and included recalling of major events that transpired in Oak Ridge and the world since February 1, 1948, when the local station first went on the air. The birthday program lasted for one hour.

DROPSY TREATMENT SEEN

An announcement by the Atomic Energy Commission in the Washington Star reveals that scientists working under commission contract at Tulane University in New Orleans have developed a successful treatment for dropsy by use of radioactive isotopes.

Check For Obsolete Or Unused Classified Documents Urged

The Y-12 Security Office has suggested that all custodians of classified material in Y-12 closely check such material and take proper steps to determine if their files contain obsolete or unused documents coming under the head of restricted data.

All documents that are obsolete, documents to which reference is never made, those inherited from a predecessor and never used or documents to which reference is made less than once every six months should be removed from files and should be submitted for destruction or for storage in plant archives.

All documents falling into these categories should be transferred, with proper receipts, to the Central Reports and Information Office, Bldg. 9704-2, with recommendation for either permanent storage or destruction.

Will Keep Files Active
Such steps by custodians of classified documents will enable the custodian to keep the files active and relieve individual employees of the responsibility of accounting for a large number of documents, some of which may not be of use.

If at any time after classified documents are placed in storage and it is necessary for an employee to view such documents for reference, arrangements to do so can be made with the Central Reports and Information Office.

CHEAP GEIGER COUNTER

Dr. Charles A. Culver, head of the physics department at Park College in Kansas City, Mo., has announced construction of an "open" Geiger counter from materials costing less than \$100.

Unique Concert By Oak Ridge Symphony Orchestra To Demonstrate Use Of Various Instruments And Types Of Music Used By Group

One of the most unique orchestra concerts to be staged in Oak Ridge and perhaps in the country will be presented Saturday night, February 19, by the Oak Ridge Symphony Orchestra under direction of Waldo Cohn when the musical group will give a "demonstration concert." The event will be staged in the high school auditorium beginning at 8:15 p.m.

The concert will demonstrate the instruments used in a symphony orchestra, the various types of music played by such an orchestra and the forms, purposes and history of symphonic music. Thus, the program will consist of a wide variety of compositions for orchestra, interspersed with a discussion of the instruments and their place in musical developments of the selections played.

According to Director Cohn, in

presenting the "demonstration concert" the orchestra will answer questions propounded by many Oak Ridgers, a considerable number of whom are not concert-goers, concerning symphonic music and the large variety of instruments used in presenting such music. Although many orchestras, including the Oak Ridge Symphony, have partially recognized this desire for information on the part of persons without technical musical knowledge by presenting children's or student's concerts; few if any demonstrations of the kind have been presented on an adult level, the director declared.

The program will open with a demonstration of each of the many instruments which usually are found in a symphony orchestra. Each instrument will be shown and played by itself so that it may be

recognized both by sight and sound. Then will follow compositions which exemplify the classical, romantic and modern types of music. These selections will be drawn from music for ballet and movie as well as for the concert hall.

They will include the concerto, symphony and tone-poem and each number will be prefaced by a brief discussion of its instrumentation, form, themes, character and place in musical history.

All seats for the concert will be reserved and will sell for 50 cents. They may be obtained at the Music Box from 4 p.m. to 6 p.m. daily until Saturday, when they will be on sale all day. Proceeds from the affair will be turned over to the library and instrument fund of the orchestra.

Field Maintenance Leads Major League

Dept. A20N, Field Maintenance, climbed into the perfect attendance bracket in the Major League of Y-12 departments while two departments in the Minor League also reported all of their personnel present for the week ending January 30.

The Minor League departments with perfect records for this period were Dept. A12R, Cafeteria; and Dept. A19N, Laundry.

Guards In Second Place

Field Maintenance, in second place for the week ending January 23, replaced Dept. H12E, Process Development, in first place in the Major League. Process Development dropped to third place for the January 30 reporting period with an absentee mark of 1.8 per cent. In second place among the departments with more than 50 employees scheduled for the week ending January 30 was Dept. A12G, Guards, with an absentee mark of 1.5 per cent. The Guards were in seventh place during the preceding period.

Both of the Minor League departments with perfect marks for the last reporting period were repeaters from the previous week. Second place in the Minor League was held by Dept. A13T, Transportation, with an absentee record of only .5 and which had held third place the previous week. Third

(Continued On Page 4)

Work Of Physics Laboratory In Y-12 Told In Articles

Two articles on work done in the physics laboratory of Dept. H12L in Y-12 are carried in the January 1 issue of the magazine Physical Review.

One of them, "Isotope Shift in Uranium Spectra," reviewed work done by L.E. Burkhart, George Stukenbroeker and Sam Adams. Another article, "K Spectra of Element 61," by L.E. Burkhart, W.F. Peed and E.J. Spitzer showed the K lines of the X-Ray spectra of a sample of Element 61.

YOUTH TRUSTS DOCTORS

The Chicago News in a recent news story tells that Richard Linn, Napanee, Ind., youth suffering from leukemia, has signed a waiver granting doctors permission to use whatever treatment the physicians deem necessary. Attending physicians have been studying his case to determine if he can be helped by radioactive elements.

Y-12 Bulletin

Published Weekly By
Carbide And Carbon Chemicals
Corporation
Post Office Box P
Oak Ridge Tenn.

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Field Maintenance Leads With Perfect Attendance

(Continued From Page 1)

place was occupied by Dept. M12M, Material Control, with .79 per cent of its employees absent for the last reporting period.

Plant Absenteeism Rises

The absentee average for the entire Y-12 plant for the period ending January 30 was 3.4 per cent, an increase of .1 per cent over the preceding week.

The complete Y-12 absentee report by departments for the week ending January 30 follows:

MAJOR LEAGUE

More than 50 Employees Scheduled

Dept.	Absent	Percentage	Standing
			1-30-49 1-23-49
A20N	0.0	1	2
A12G	1.5	2	7
H12E	1.8	3	1
A14N	2.3	4	9
H12D	2.5	5	4
M12P	2.7	6	8
B12L	3.2	7	16
H12L	4.2	8	3
A12M	4.3	9	10
A13N	4.61	10	13
A16N	4.63	11	6
A12S	5.0	12	11
B13L	5.2	13	12
A17N	5.8	14	15
B12H	6.4	15	14
M15P	—	—	5

MINOR LEAGUE

15-49 Employees Scheduled

Dept.	Absent	Percentage	Standing
			1-30-49 1-23-49
A12R	0.0	1	1
A19N	0.0	1	1
A13T	0.5	2	3
M12M	0.79	3	5
M15P	0.81	4	7
B12A	1.0	5	7
A14J	1.17	6	2
A27N	1.17	6	1
A15N	1.6	7	8
M12S	3.1	8	4
A12W	3.3	9	10
A12N	3.5	10	12
A12D	5.26	11	4
A13S	5.33	12	13
A12T	6.0	13	6
A13W	7.3	14	9
A12A	12.0	15	11

The plant average for the week ending January 30 was 3.4 per cent, .1 per cent higher than the preceding week.

Charles Stephen Peal Funeral Services Are Held In Missouri

Funeral services and burial for Charles Stephen Peal, 43, Y-12 employee in Dept. B12L, were held last Wednesday, February 2, at Bernie, Mo. He died January 28 at Fort Sanders Hospital, Knoxville, following an illness of about one month.

Mr. Peal came to work in Y-12 May 1, 1944. He lived at 103 Osage Lane, Oak Ridge.

He is survived by his widow, Mrs. Ella Peal; two daughters, Mrs. Jean Ellen Bersin, Los Angeles, Cal., and Stephen Lynn Peal, 3; parents, Mr. and Mrs. James S. Peal, Blodgett, Mo., and a brother and sister, John and Lucille Peal.

Listening Group To Give Program

An interesting and varied program has been arranged for the weekly concert of the Oak Ridge Music Listening Group at 8 o'clock Thursday night, February 10, in the East Lounge of Ridge Recreation Hall. Gene Tate will present the program, which is free to the public.

The program will be opened with "Sorcerer's Apprentice," by Paul Dukas. Maurice Rawls' "Introduction" and "Allegro" will follow and the first half of the program will conclude with the "Classical Symphony," by Sergei Prokofiev. Following the intermission refreshments and announcements, Rimsky-Korsakov's "Capriccio" and Brahms' "Symphony No. 3" will be played.



VERNA PECKMAN, DEPT. A12R, WAS HOSTESS AT A STORK SHOWER JANUARY 28 at the Edgewood restaurant honoring Mrs. Wynetta Patterson, a former Y-12 employee in Dept. A12G. In the picture of the guests above Mrs. Patterson is standing in a dark dress with a package in her hand to the left and below the stork. Mrs. Peckman is at her right. Other guests, from left, are Mrs. Ollie Chambers, Mrs. Winnie Cantwell, Mrs. Gertrude Kelly, Mrs. Beulah Parsons, Miss Billie Hawkins, Miss Betty Smith, Mrs. Keiffer Graves, Miss Sara Purnell, Mrs. Lucille Arnwine, Mrs. Lorene Hayes, Mrs. Nina Byford, Miss Evelyn Tucker, Mrs. Lena Cotter, Mrs. Lovell Nussmeyer and Mrs. Lottie Fields. Mrs. Patterson, the honoree, is the wife of D. H. Patterson, a Y-12 employee in Dept. A12G.

Y-12 Photos By Vince Moore

U-T To Study Cattle, Crops Exposed To Radiation In Research Program Here; Scarboro School To Be Remodeled For Headquarters

Conversion of a portion of the Scarboro School to be used by the University of Tennessee as headquarters for an agricultural research program to be conducted by the university at Oak Ridge has been approved by the Atomic Energy Commission.

The first project to be undertaken by the university here will involve studies of cattle subjected to radiation in the first atomic bomb test at Alamogordo, N. M., in July, 1945.

The Gibson Co., of Oak Ridge,

will do the remodeling work on the school at a cost of \$84,453. Administrative facilities and a general biological laboratory will be provided for the university to perform its studies on the relative effects of radiation on domestic animals and cultivated crops under provisions of the contract between the university and the AEC. A tract of 3,000 acres of land has been provided the university for the work.

Oak Ridge scientists began study of the Alamogordo cattle before the contract with the university was signed in May, 1948. A herd of 48 of the cattle were brought here for investigation of the effect of radiation when it was found that some red hair on the animals had turned white after exposure and some had suffered burns. No formal reports have been made on the investigation.

Last summer 75 additional cattle were bought here from the same New Mexican area to serve as an "unexposed control herd" for comparison with the exposed animals. It is announced that the university expects to have from 400 to 500 head of cattle on its tract here.

Crop experimentation will be started by the university when laboratory facilities are completed. Efforts will be made to determine good and bad effects of radiation on crops. In addition to obtaining information of this type the program also will serve to train technicians in the field of atomic agriculture.

Hospital List

The following Y-12 employees were patients at the Oak Ridge Hospital last week: Genevieve Bryant, Dept. B12L; David C. Shephard, Dept. A14J; Arnold H. Norman, Dept. M12S; Arnold Tiller, Dept. A15J; Doris C. Kirk, Dept. A12S; Karl W. Mercner, Dept. A12A; Edward J. Spitzer, Dept. H12L; Griffin R. Carlton, Dept. A12S; Charles C. Bridges, Dept. M12P.



Mr. and Mrs. M. R. Bennett



J. P. Fry, Dept. A12G, made a week-end visit with his mother in Camden, Tenn.

Dept. A12S extends get well wishes to Carolyn Kirk, who is ill in the Oak Ridge Hospital. . . . Paul Brownlow is recovering from an operation at his home in Morris-town. . . Jackie Tankersley visited with her mother in Chattanooga.

Get well wishes are extended to G. R. Carlton, Dept. A12M, who is on the sick list.

Evelyn Hammons, formerly of Dept. H12L, has returned to Berea College in Kentucky to resume her studies. Her place in the department is being taken by Edna Nicely.

The department has had as recent guest R. L. Carter of the Physics Department of Duke University. He was a visitor January 27 and 28. . . A hearty welcome is extended to E. J. Spitzer who is back on the job after an illness. . . . George Stukenbroeker entertained friends from Michigan last week. . . Paul Griffin entertained George Stukenbroeker and E. J. Spitzer and a host of other friends at a bridge party.

Dept. A12A sends get well wishes to Karl W. Mercner, who continues ill.

Sympathy is extended to G. W. Mitchel, Dept. B12A, in the death of his stepfather, H. L. Smith, January 26. Funeral services were held in Okmulgee, Okla., January 28.

A speedy recovery wish is extended to A. H. Norman, Dept. M12S, who is ill.

Eunice Jones, Dept. B12L, had as her guest over a recent week end her sister, Margaret Jones, who is attending Berea College, in Kentucky.

Howard P. Doyle, Carbide's "roving ambassador" was one of the many Oak Ridgers caught off base on "snowy Sunday" January 30. Howard and the missus, Virgie, were en route home from Columbia, Ky., when overtaken by the miniature blizzard that made driving a chore on the last lap of their trip.

Dept. A13N hopes to see Wilber Clarridge well and happy soon. At present he is ill in a Nashville hospital.

D. R. Carter, Dept. A20N, decided not to take any chances with this February weather during his vacation, so he is just staying home in Oak Ridge taking life easy.

Dept. A12W extends get well

wishes to M. B. Bridges and T. W. Keany who are ill. . . Bob Morris is a member of the Walking Man's Club. The stork left the Morris a daughter, Sharon Lynn, weighing seven pounds and eight ounces, born January 26. The baby's mother, the former Pauline Parks, is a former Y-12er.

Dept. H12E wishes a speedy recovery to Raymond Murray, who continues ill.

W. E. Davis, Dept. A23J, attended the home-coming activities of his alma mater at Union College in Barbourville, Ky.

Juanita Fox, Dept. M12P, spent a recent week end sight seeing in Roanoke, Va.

Fred Guttery and his family motored to Kingsport, Tenn., where they visited with friends. . . The welcome mat is out to Velma Church, who is back on the job after being ill.



BENNETT - SNIFFEN

Miss Barbara Hays Sniffen and M. Robert Bennett, former Y-12 employee of Dept. H12D, were married at 4:30 p.m., January 29, at the Chapel-On-The-Hill. The Rev. Howard McC. Mueller, of Knoxville, performed the ceremony.

The bride is the daughter of Mr. and Mrs. Birdsey Sniffen, of Alexandria, Va. Bennett is the son of David V. Bennett, of Wurtsburgh, N. Y., and Mrs. David V. Bennett, of New Haven, Conn.

The bride was given in marriage by her father and during the ceremony Robert F. Siebert played nuptial music on the organ.

Yvonne Johnson, of Upper Montclair, N. J., was maid of honor. Walcott Watson, Dept. A12S, uncle of the bride, was best man.

Following the ceremony a reception was held at the home of Walcott Watson, 175 Outer Drive.

The bride and groom both attended St. Lawrence University, Canton, N. Y.

The couple will live at 127 Wade Lane.

Child Museum Open; Exhibits Are Solicited

Opened Sunday under auspices of the Oak Ridge organization of the Association for Childhood Education, the Children's Museum located in the Oak Ridge School Administration Building already has a wide variety of interesting exhibits and is expected to prove a valuable aid to educational facilities of the city. Miss Blanche Bennett, of the Cedar Hill School, is president of the local Association for Childhood Education group and Miss Lucille Stewart is chairman of the association's museum committee.

Project Grows Throughout Nation

According to Miss Bennett and Miss Stewart, the Children's Museum project is rapidly growing throughout the nation. They point out that the museum serves as a workshop for students of varied age groups from nursery school youngsters through high school pupils. The museum also is a visual teaching aid for teachers and interest is expected to grow as the exhibits are rotated through loans of interesting and instructive articles from individuals and other sources.

With the Oak Ridge Children's Museum just getting under way, its sponsors are eager to receive loans of suitable exhibits from Y-12 employees and other Oak Ridge residents. They point out that many hobby collections can be of value and interest to young visitors to the museum. Volunteers also are sought to take charge of the museum during visiting hours and also to conduct field trips of classes of children for nature studies of various types.

Schedule Is Announced

Miss Bennett has announced a tentative schedule of exhibition subjects for February, March, April and May. American history with a display of rare firearms will be featured this month to be followed with a natural history theme in March. In April the exhibits are to stress marine study while in May musical instruments will be featured. In the May exhibit there will be a display of hand-whittled violins by a Oak Ridge resident.

Miss Stewart declared that the community-wide nature of the museum project already is displayed in the number of exhibits already on hand. Richard Ulm, of K-25, has loaned a number of interesting articles to the museum, including guns, swords and a deer head and skin. Mrs. Roscoe Van Winkle, wife of an Oak Ridge National Laboratory employee, has loaned a wide variety of items to the museum that she collected on a world-wide trip. Many of them are curios and antiques from the Orient, including dolls, pounded metal boxes and other articles.

Fort Nashborough Model Shown

In addition there is a replica of Fort Nashborough, the original settlement on the Cumberland River that has grown into the present city of Nashville. This was made by students in the Jefferson Junior High School. Among the many other items of interest to children are seashells of many varieties, a mounted turtle and a skeleton assembled by high school students with the bones labeled for physiology pupils.

For the present the museum will be open each Saturday morning from 9 o'clock to 11 o'clock and on Sunday afternoons from 2 o'clock to 6 o'clock. Miss Stewart points out that arrangements for class visits to the museum can be arranged at other hours.

Miss Bennett has stated that under the rotating plan for exhibits, the displays probably will be changed every three or four weeks.

Persons who wish to communicate with the museum authorities to obtain further information about the project or to loan exhibits can reach Miss Bennett at telephone 5-7754 or Miss Stewart at telephone 5-7314.

When the nurse carried triplets into the "fathers' room" of a Boston hospital, the nervous daddy looked them over carefully, smiled and said, "I'll take the middle one."

Guards Hold Top Spot In Plant Cage Loop Play

The Guards maintained a spotless record in the abbreviated Plant Basketball League schedule last week to maintain their lead at the top of the heap with three victories and no losses. The usual three games were played Monday night, January 31, at the Scarboro school gymnasium, but the scheduled Wednesday night festivities were postponed when school authorities utilized the hall for a school function.

Games To Be Rescheduled

The games postponed from last Wednesday night will be rescheduled by the Y-12 Recreation Office at a later date, with announcement being made in The Y-12 Bulletin as soon as possible. Listed to play on that date were the Isotopes and Calutrons, Bldg. 9212 and Guards and Kough House Five and Sure Shots.

Play was to have been resumed last night at Scarboro with the Kough House Five tackling the loop-leading Guards in the opener, the Calutrons tackling the Sure Shots and the Bldg. 9212 cagers clashing with the Isotopes. In games scheduled for Wednesday night on the Scarboro hardwood the Guards will play the Isotopes, now occupying second place in the league standing, in what should be the feature attraction of the night. However the scraps between Bldg. 9212 and the Sure Shots and Calutrons and Rough House Five also should result in tough battles.

Guardsmen Win In Last Half

In the January 31 tilts the Guards walked away from the Sure Shots by the score of 32 to 19. At the end of the first half the score was knotted at 11-all but the Guardsmen pulled away in the second half, aided by the sharp-shooting of Clevenger and Blankenship. Clevenger slashed the cords for 11 points, nine of them in the final period, and Blankenship posted 10 points on the scorebook. Shoemaker tallied five points, Bentley four and Rackley two for the victors.

Freels topped the Sure Shots in scoring with five points, closely followed by Austin and Martin with four each. Braden posted three points and Gordon two for the losers.

The Isotopes made tame lads out of the Rough House Five in the second encounter of the night, knocking out a 35 to 19 triumph. Crabtree, with 10 points, and Prater with 11, paced the victorious Isotopes as 10 players got a chance to play. Other scorers were Love with six counters, Frazier with four, Davis with three and Kappelmann with a single free toss. High scorer for the Rough House Five and the entire game was Grimes with five field goals and a pair of charity shots for 12 points. Brown added four points while Saine contributed two and Peterson one.

Grimes High Scorer In Game

The top score for the night was rolled up by the Calutrons as they trampled the Bldg. 9212 quintet by the lop-sided margin of 47 to 27. Long John Ramsey led the victors with 23 points, being especially proficient from the free throw line with nine out of 13 chances notched to his credit. Bill Cottrell tied Ramsey in number of field goals with six each. Braden added five points, and Crouse and Calloway each bagged two field goals.

Bldg. 9212 valiantly tried to make a game of it but was outclassed, trailing on the short end of a 23 to 11 count at the half. Johnson led the scoring for the losers with

Y-12, ORNL Tied In Badminton Play

The battledore and shuttlecock boys of Y-12 and Oak Ridge National Laboratory played to a five-five tie last Thursday night as the second half of the Oak Ridge City Badminton League opened. The K-25 bird boys knocked over Fairchild by nine games to one at the same time.



THESE TWO GROUPS OF SMILING LASSIES ARE MEMBERS of two bowling teams in the Y-12 Women's Plant Bowling League. At left are the Hi Balls, composed of Mable Tyer, Ruth Law, Maola Conner and Maggie Beckner, from left to right. At



right are the Controllers with the bowlers being, from left, Bertha Crowder, Madeline Sain, Betty Whitehorn, Louise Hall and Oradean Upchurch.

Plans For Y-12 Pin Tournament Will Be Settled On Thursday

Plans for the annual Y-12 plant-wide bowling tournament will be made at a meeting of officers of the four plant leagues to be held at 1:30 o'clock Thursday afternoon in the Y-12 Recreation Office, North Portal, it has been announced by Arnold Tiller, Recreation Supervisor for the plant.

Duncan Leads Y-12ers To City Pin Victory

Harold Duncan burned up the alleys last week as the Y-12 varsity bowlers hogged high honors in Oak Ridge City League activities, swept four points from Roane-Anderson and advanced into second place in the loop standing. Meet Allards Next Week

The Y-12 pinmen met the S. & B. keggers last night and before game time hoped to improve their won and lost record in anticipation of meeting the league-leading Allard outfit next Monday night, February 14.

Duncan rolled a sizzling 244 single scratch game, which put with a 185 and 199, gave him a top series score for the entire league for the night of 625. The 244 also was tops in singles for the night. Nick Zabenco posted a 532 series score for Y-12 and was followed by Ernie Cobble with 512, Nelson Tibbatts with 488 and Rudy Pletz with 490.

Take All Three Games

The Y-12ers took all three games and the extra point from the Roane-Anderson team. Scores for Y-12 were 879-971-800 for a 2,650 total while the Roane-Anderson tally was 865-798-785 for 2,458. The Y-12 971 single game and 2,650 series also brought top honors to Y-12 for the night.

League standing follows:

Team	W	L	Team	W	L
Allards	29	3	S. & B.	15	17
Y-12	20	12	ORNL	15	17
K-25	18	14	Clinch Radio	14	18
Addressograph	17	15	Wholesalers	14	18
Marot	16	16	R-A	14	18
Monroe	16	16	Fairchild	4	28

INDIA EYES ATOMIC ENERGY

A recent news dispatch has reported that Dr. K. S. Krishnan, president of the All-India Science Congress, has announced formation of an atomic energy commission for India under chairmanship of Prime Minister Nehru.

eight counters, followed by Wright with seven, Mullinax with six and Sherrod, Beasley and Keen each with two.

The league schedule through next Monday night at Scarboro follows:

Wednesday, February 9--6:30 p.m., Bldg. 9212 vs Sure Shots. 7:30 p.m., Guards vs Isotopes. 8:30 p.m., Calutrons vs Rough House Five.

Monday, February 14--6:30 p.m., Isotopes vs Rough House Five. 7:30 p.m., Bldg. 9212 vs Calutrons. 8:30 p.m., Guards vs Sure Shots.

League standing as of last Friday follows:

Team	W	L	Team	W	L
Guards	8	0	Calutrons	2	1
Isotopes	3	1	Sure Shots	0	4
Bldg. 9212	2	2	R' House Five	0	4

SPORTS NEWS

Materializers Gain Tie For C Loop Lead

Despite sterling pin smashing by Skritnansky, of the Thin Pins, his teammates could not keep up to his pace last Tuesday night and the outfit dropped from top rating in the C Bowling League. Taking advantage of the lapse on the part of the Thin Pins, the Materializers and Orphans slipped by for a first place deadlock in the loop. The former leaders dropped to third place.

The Orphans advanced to their share of first place honors by burying the Moles under a three and one margin as the Materializers victimized the Thin Pins by the same score. The Guards swept all four points from the Knucklebusters and the Hooks and Bldg. 9206 divided their four points evenly.

That boy Skritnansky rolled a most respectable 216 single scratch game and boosted it to 552 for a scratch series for top honors in these brackets. The Orphans monopolized team scoring achievements during the alley activities, rolling the high single scratch game of 740, high single handicap game of 959 and high handicap series score of 2,754. Bldg. 9206 managed to get into the act by tallying 2,104 pins for top series scratch score.

Judgment of people is often wiser than the wisest men.

More Sport News On Page Four

Rippers Boost Lead In B League Bowling

The Rippers rolled over the One-91 keggers last Thursday night in B League festivities to gain a shut-out triumph and four points and increased their loop lead over the second place All Stars, who could add but three points while losing one to the Woodpeckers. In other team clashes the Comets flashed by lowly Dept. A12M for four points, the Wolves grabbed three from the Bums, the Cubs kicked the Mules for three and Maintenance downed the Head Pins by the same count.

The Rippers took high scratch series honors by posting a 2,547. Handicap series honors went to the Cubs with 2,990.

Charlie Greene, of the Cubs, took individual handicap honors with a 255 single and 640 series scores. Koons, of the Rippers, topped the scratch single game scores of the night with a 211 and went on to tie Harold Duncan, a teammate, for scratch series with, 536.



THIS HARDY BUNCH OF BOWLERS CARRY THE COLORS of the Thin Pins into action when the C Bowling League takes to the alleys each week. Although Capt. Bill Freels was unable to be present when the picture was made the other pinmen are, from left, James Charles, Roger Brotherton, R. L. Jamison, James Pateron, Wilburn Combs and Andrew Skritnansky.

Dodgers Gain In W League; Loop In W I B A

The Dodgers started creeping up on the league-leading Wholly Rollers in the Y-12 Women's League last Thursday night as they knocked over the Beta Pick-Ups for three points while the Wholly Rollers could down the Hi Balls but twice while losing one. The Controllers took two from the Kemps in the other loop engagement.

Wiggins, of the Dodgers, paced her teammates with a high single handicap game score of 226 and high handicap series of 606 to take scoring honors for the night. Law, of the Hi Balls, posted a 170 single scratch game and 407 scratch series. The Hi Balls, despite losing, rolled high team single game scores of 556 scratch and 783 handicap.

Prior to hostilities last week the league formally joined the Women's International Bowling Association and membership cards were distributed to all players.

Woodchoppers Sweep Clean In D League

The Overheads in the D Bowling League finally lost an alley encounter to the Pinbuster quintet in play last Wednesday night but easily retained their place at the top of the league standings by taking three points from their opponents. In other league clashes the Scotties chewed the Termites for three points and held onto second place as the Termites dropped from third to fourth after the Strikers had whittled three points from the Splinters to climb one notch up the ladder.

Woodchoppers Climb to Fifth

The lowly Woodchoppers, at least they were last week, jumped from the cellar to top of the second division by rudely hacking the Old Men for four points, the only clean sweep of the night.

Scoring honors were widely divided for the night's play. In scratch rolling the Splinters were tops with an 821 game. The Scotties scored the high handicap series game with 2,194. The rampaging Woodchoppers scored a double by posting high handicap single game of 979 and high handicap series of 2,802.

Barker Has 557 Scratch Series

Sky Barker topped the individual scorers with a 557 scratch series, which was boosted to 611 with his handicap. Gordon, a teammate of Barker's on the Splinters, turned in a 207 scratch single game for top honors, which he boosted to 239 with handicap. Gragg and Koons, of the Scotties, tied with series scratch scores of 523 and the latter's handicap gave him a 613 series score. Harold Ratjen, of the Woodchoppers, posted the high handicap series score with a 619.

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Barter Theater To Play Here February 22

The world-famous Barter Theater, of Abingdon, Va., will present George Bernard Shaw's enduring comedy, "Arms and the Man," in the Oak Ridge High School auditorium on Tuesday, February 22. Play For Church Benefit

The appearance of the Barter Players in Oak Ridge will be sponsored by the building fund committee of St. Stephen's Episcopal Church, with the proceeds to be added to the church's building fund.

Tickets for the performance may be purchased from George Holt, telephone 7-8251, who is in charge of ticket sales for Y-12. The downtown ticket office is located in Henebrey's Jewelry Store. Tickets for the single performance are \$1.80, including tax.

One of the most popular plays in the Barter Theater's repertory, "Arms and the Man" is a brilliant satire on war and love. It was written in 1894.

The Barter Theater is the largest company in this country exclusive of the Broadway organizations, although its beginnings were tenuous indeed. It was organized in 1933 by Robert Porterfield, a Virginian who returned to his native state from Broadway with 22 unemployed actors and an idea.

Originally the audience contributed food in lieu of cash for tickets but the Barter group is big business now. In the two-year period ending last May, the three Barter companies played to 350,000 people in 266 cities.

The Barter Theater last played in Oak Ridge in the summer of 1946 with a widely-acclaimed production of "State of the Union."

Caldwell And Appleknockers Monopolize Dept. H12L Play

The Dept. H12L League bowling race has turned out to be as close as ketchup and baked beans with the Appleknockers and Beetle Baums sharing first place with 11 wins and nine losses each and the Jim Crows and Cherry Pickers likewise tied at reverse figures after the pins stopped falling last Thursday.

In those tilts the Jim Crows plucked three wins from the Cherry Pickers and the Appleknockers and Beetle Baums divided four points.

Caldwell, of the Appleknockers, rolled the high scratch single game with an even 200, increased to 233 for high handicap score. The Appleknockers also grabbed team honors with a 753 scratch single game and 983 handicap single game.

Jaycees Improving Boy Scout Quarters

Members of the Oak Ridge Junior Chamber of Commerce now are engaged in remodeling and overhauling an old ice house building just east of the Townsite steam plan for use by its Boy Scout Troop, No. 227. The buildings already is being used by the scouts but the improvements planned by the Jaycees will not be finished until about April 1.

HAROLD GREEN'S PERSISTENCE SHOWS IN BOWLING SCORE

Some of the boys in the Dept. H12L League tittered quite audibly last fall when Harold Green started bowling for the Beetle Baums. Harold was rolling the ball in almost every direction except where the pins were placed. His early average was about 100, just about a pitcher's batting average. However, Harold stuck with the game week after week and last Thursday posted his high scratch game of the year—a mighty (for him) 160. He was pleased as a new papa when he received congratulations of teammates and opponents alike over the score.

Standings In Plant Bowling League

Team	C LEAGUE	W L Team	W L
Materializers	19 13	Bldg. 9206	16 16
Orphans	19 13	Guards	16 16
Thin Pins	18 14	Hooks	15 17
Moles	16 16	K'busters	10 22

Team	D LEAGUE	W L Team	W L
Overheads	15 1	Woodchoppers	7 9
Scotties	10 6	Pinbusters	6 10
Strikers	9 7	Splinters	5 11
Termites	7 9	Old Men	5 11

Team	B LEAGUE	W L Team	W L
Rippers	22 6	Wolves	14 14
All Stars	19 9	Cubs	13 15
One-91	17 11	Bums	12 16
Woodpeckers	16 12	Mules	11 17
Head Pins	15 13	Comets	11 17
Maintenance	15 13	Dept. A12M	3 25

Team	H12L LEAGUE	W L Team	W L
Appleknockers	11 9	Jim Crows	9 11
Beetle Baums	11 9	Cherry Pickers	9 11

Team	W LEAGUE	W L Team	W L
Wholly Rollers	9 3	Beta Pickups	4 8
Dodgers	8 4	Controllers	4 8
Kemps	7 5	Hi Balls	4 8

Cuemen Of Y-12 Whip R-A Five; Take Second

M. C. "Red" Wiest, manager of the Y-12 pocket billiard team, was the only loser on the club as it romped over Roane-Anderson, five points to one, in a January 31 clash. Y-12 took four game victories and total points while the losers could amass but one game triumph. By winning, Y-12 took second place in the league.

Y-12 victors included W. B. Motley over Frye, 75-61; C. E. Harris over Soard, 75-63; W. Minge over Tallent, 75-53; and H. Burnett over McFall, 75-28. Wiest lost to Moore in a close scrap, 75-64. During the engagement Motley turned in a high run of 22 balls. The Y-12 cuemen scored a convincing team margin of 364 to 280.

Wiest's lads will clash with their old rivals from the Oak Ridge National Laboratory next Monday night after battling with the K-25 chalkers last night.

By trouncing Roane-Anderson the Y-12ers drew within one game of the R-A team, loop leaders, which had a 17-13 standing as of January 31. K-25 was two games behind Y-12 with 14 won and 16 lost and ORNL brought up the rear with 13 victories and 17 losses.

New Guineans Sheep In Row

A recent news dispatch from Sydney, Australia, told of unpleasant relations between sheep shipped from Australia to New Guinea and the natives of the latter island.

The 60 sheep had been shipped by air to New Guinea and were met by a curious crowd. Neither the crowd nor the sheep had seen the likes of each other before. The sheep tripped off the airplane at Lae as the crowd watched dubiously. Then the sheep made a dash toward the onlookers—who immediately dashed for the bush. The sheep were then corralled and sent to a New Guinea experimental station and the New Guineans came out of hiding.

Robins And R-A Sextets Clash On Wednesday

The red, red Robins of Y-12, our feminine representation in the Oak Ridge Women's City Basketball League, again will endeavor to lower the colors of the high-flying Roane-Anderson lassies when the teams meet at 9:15 o'clock Wednesday night in the new gymnasium of the Jefferson Junior High School. It will be the second shot in three nights for the Y-12ers against the league-leaders, as the two teams were scheduled to have played last night on the Jefferson hardwood.

On one earlier occasion this season, the Y-12 girls came with lip-stick distance of the Roane-Andersonites and led their strong opponents until midway in the final quarter. Then the Robins faltered and were tumbled off the limb.

Divide Two Court Engagements

In two games since their activities were last listed the Robins broke even. On January 28 they were in fine fettle and triumphed over the K-25 lassies by the convincing score of 27 to 15. However, trouble overtook them on January 31 when the Oak Ridge National Laboratory sextet tacked a 17 to 13 defeat onto them.

Against K-25 Helen Brown led the Robin scorers with 10 counters, followed by Rose with seven, five of them from the free-throw line. In the clash with ORNL Helen Brown was held to three points, as was Virginia Bowers and Gilliam. S. Brown and Butler scored two each in the low scoring battle.

The game against Roane-Anderson Wednesday night is a make-up tilt on the schedule caused when Y-12 agreed to postpone an earlier game to allow the league-leaders to go to Knoxville for a game.

Robins Seek Revenge Monday

After the game tonight, the Robins will be seen in action again next Monday night when they will seek revenge against the ORNL lassies for that trimming recorded above.

Y-12 Feminine Bowlers Lose Two Games; Outscore Foes

Although the Y-12 feminine keggers in the Oak Ridge City League dropped two out of three games to the last-place Sure Shots they outscored their opponents in total pins for the contest. The Y-12ers scored 627-758-633 for 2,018 to 688-599-674 adding to 1,961 for the Sure Shots.

Olyne Poindexter led the Y-12 scoring with 450 in three games, followed by Inez Reece 410, Nancy Doane 387, Margaret O'Neal 342, and Daisy Ward 329.

The Y-12 women meet Roane-Anderson Thursday night.

League standing follows:

Team	W L	Team	W L
Tulip Town	45 15	Knox B'print	29 31
Norris C'mery	36 24	Muny Market	29 31
Marot	34 26	R-A	25 35
ORNL	34 26	Merchants	21 39
Y-12	33 27	Fairchild	21 39
K-25	33 27	Sure Shots	26 40

The best way to train a child in the way it should go is to go that way yourself.



PICTURED ABOVE ARE MARTHA ROSS, FORMER Y-12 employee and wife of Don Ross, Dept. H12E, and Nick Smith as they will appear in "The Glass Menagerie," to be presented by the Oak Ridge Community Playhouse in the high school auditorium this week end. Mrs. Ross is cast as Laura in Tennessee Williams' play while Smith plays the role of the gentleman caller.

Wife Of Y-12 Employee Given Feature Role In Playhouse Show 'The Glass Menagerie'

One of the two casts of the Oak Ridge Community Playhouse that will present "The Glass Menagerie" at the high school auditorium Thursday, Friday and Saturday nights of this week will feature Martha Ross, wife of Don Ross, Dept. H12E, in the role of Laura, a shy and sensitive girl who lives in a dream world of little glass animals.

Additions To Y-12 Technical Library

MATHEMATICS

QA 306-M129-McConnell, A. J., "Applications of the absolute differential calculus." London, Blackie and Sons, Ltd., 1936 Reprint 1947.
QA 404.5-S997-Szego, Gabor, "Orthogonal Polynomials." N. Y., American Mathematical Society, 1939.

PHYSICS

QC 173.1-T748-Townsend, John, "Electrons in Gases," London, Hutchinson's 1947.
QC 175.3-F879-Frendel, J., "Kinetic Theory of Liquids," Oxford, Clarendon Press, 1946.

QC 451-A857-Aston, F. W., "Mass Spectra and Isotopes," Second Ed., London, Editor, Arnold and Co., 1942. Reprint 1948.

CHEMISTRY

QD591-B575-Bhatnagar, S. S. and Mathur, K. N., "Physical Principles and Applications of Magnetochemistry," London, MacMillan, 1935.

PATHOLOGY

RB 27-B655-Bloom, William, "Histopathology of Irradiation from External and Internal Sources," First Edition, N. Y., McGraw Hill, 1948.

TECHNOLOGY

TA 460-I59-The Institute of Metals, "Symposium of Internal Stresses in Metals and Alloys," London, The Institute, 1948.

TJ 230-J77-Jones, E. J. H., "Production Engineering; Jig and Tool Design," Fifth Edition, London, George Newnes, Ltd., 1948.

TN 686-I71-Iron Age, "Production Manual," N. Y., The Iron Age, REFERENCE

Ref.-Who's Who is America, Chicago, A. N. Marquis Co., 1948.

Turnpike Will Get Planting Of Trees

Nearly 1,000 trees and shrubs will be planted on both sides of Oak Ridge Turnpike between Elza Gate and Georgia Ave. during the next few weeks, it has been announced by the Roane-Anderson Co. Bids for providing and planting the trees and shrubs will be received by the company until February 14.

"Say, young man, it's past midnight. Do you think you can stay here all night?"
"Gosh! I'll have to telephone mother first."

Curtilment In Dormitory Service Set For March 1

Curtilment in service at Oak Ridge dormitories effective March 1 and signing of a contract for another year of operation of the dormitories by the James H. Moore nad Co. had been announced by the Atomic Energy Commission. Reduction in services and a cut in personnel will reduce costs of operation, the AEC pointed out, as some government subsidies will be eliminated.

After March 1 changing of linen and towels and sweeping and dusting of dormitory rooms will be done weekly instead of daily. Dormitory room clerks will be on duty from 4 p.m. to 9 p.m. daily except Sundays instead of serving continually.

Numerous protests have been filed by dormitory residents to the curtilment of service. Some residents have expressed willingness to pay more rent if service, particularly room clerks, was not changed. There are 18 dormitories being used as living quarters at present.

A man and his wife went for a walk in the woods. Suddenly they realized that they were lost.
"I wish Emily Post were with us," said the man. "I think we took the wrong fork."